



## CITY OF LODI COUNCIL COMMUNICATION

**AGENDA TITLE:** Adopt Resolution Authorizing City Manager to Execute Purchase Order with Aqua Aerobics, Inc., of Loves Park, Illinois, for Purchase of Replacement Aqua Disk Filter Media and Frames (\$33,465)

**MEETING DATE:** January 19, 2011

**PREPARED BY:** Public Works Director

**RECOMMENDED ACTION:** Adopt resolution authorizing City Manager to execute purchase order with Aqua Aerobics, Inc., of Loves Park, Illinois, for purchase of replacement Aqua Disk filter media and frames in the amount of \$33,465.

**BACKGROUND INFORMATION:** The Water/Wastewater Division utilizes Aqua Aerobic filters to treat the secondary effluent at White Slough Water Pollution Control Facility to tertiary levels. The tertiary-treated effluent is disinfected and applied to City land during the irrigation season or discharged to the Delta during the non-irrigation season.

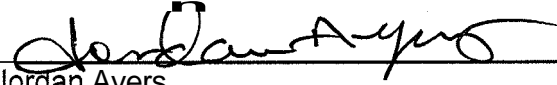
In 2000, the State required the City to begin treating its wastewater to tertiary levels. The filtration system was commissioned in 2005 and over the past five years has experienced periodic fouling of the filter media. Buildup of filtered material is normal and addressed during system backwash cycles. The fouling results in excessive backwashing cycles to clean the filter media, however, causing increased maintenance, higher energy costs and reprocessing of backwash flow.

The fouling is caused by a biological growth on the cloth media. Staff has tried several remedies suggested by Aqua Aerobics and has found the most effective solution is to remove the filters and manually clean them at periodic intervals. Purchasing replacement media will reduce equipment downtime, make more effective use of staff time and improve process efficiency.

Aqua Aerobics is the sole source for this type of equipment. Staff recommends Council authorize the City Manager to execute a purchase order with Aqua Aerobics, Inc., for the purchase of replacement filter media and frames in the amount of \$33,465.

**FISCAL IMPACT:** The replacement filter media enhances operational efficiency and reliability.

**FUNDING AVAILABLE:** 2010/11 Wastewater Capital Outlay (172030): \$33,465

  
 Jordan Ayers  
 Deputy City Manager/Internal Services Director

  
 F. Wally Sandelin  
 Public Works Director

Prepared by Del Kerlin, Wastewater Treatment Superintendent  
 FWS/CES/DK/ki  
 cc: Charles E. Swimley, Jr., Deputy Public Works Director – Utilities  
 Del Kerlin, Wastewater Treatment Superintendent

**APPROVED:**   
 Konradt Bartlam, City Manager

RESOLUTION NO. 2011-09

A RESOLUTION OF THE LODI CITY COUNCIL  
AUTHORIZING CITY MANAGER TO EXECUTE PURCHASE  
ORDER FOR PURCHASE OF REPLACEMENT AQUA DISK  
FILTER MEDIA AND FRAMES

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WHEREAS, the Water/Wastewater Division utilizes Aqua Aerobic filters to treat the secondary effluent at White Slough Water Pollution Control Facility to tertiary levels; and

WHEREAS, the filtration system was commissioned in 2005 and over the past five years has experienced periodic fouling of the filter media; and

WHEREAS, buildup of filtered material is normal and addressed during system backwash cycles; however, fouling results in excessive backwashing cycles to clean the filter media, causing increased maintenance, higher energy costs, and reprocessing of backwash flow; and

WHEREAS, Aqua Aerobics is the sole source for this type of equipment, and staff recommends City Council authorize the City Manager to execute a purchase order with Aqua Aerobics, Inc., for the purchase of replacement filter media and frames in the amount of \$33,465.

NOW, THEREFORE, BE IT RESOLVED that the Lodi City Council does hereby authorize the City Manager to execute a purchase order in the amount of \$33,465 with Aqua Aerobics, Inc., of Loves Park, Illinois, for the purchase of replacement Aqua Disk filter media and frames.

Dated: January 19, 2011

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I hereby certify that Resolution No. 2011-09 was passed and adopted by the City Council of the City of Lodi in a regular meeting held January 19, 2011, by the following vote:

AYES: COUNCIL MEMBERS – Hansen, Katzakian, Mounce, and  
Mayor Johnson

NOES: COUNCIL MEMBERS – None

ABSENT: COUNCIL MEMBERS – Nakanishi

ABSTAIN: COUNCIL MEMBERS – None

  
RANDI JOHL  
City Clerk